# Cytometer Performance Report

| | | | |
|---|---|---|---|
| Cytometer: | FACSCantoII | User: | Administrator |
| Cytometer Name: | FACSCantoII | Institution: | N/A |
| Serial Number: | V33896201821 | Software: | BD FACSDiva 6.1.3 |
| Input Device: | Carousel | Date: | 02/12/2016 11:13 AM |
| Tube Loaded Manually: | Yes | Cytometer Baseline: | 10/21/2015 09:33 AM |
| Cytometer Configuration: | Euroflow 3-laser, 8-color (4-2-2) | P/F: | Pass |

## Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016 (Expired)
Bead Lot Information: Available

## Detector Settings

| Laser | Detector | Parameter | Target Value | Actual Target Value | % Difference Target Value | Bright Bead % Robust CV | Mid Bead Median Channel | Mid Bead % Robust CV |
|---|---|---|---|---|---|---|---|---|
| Blue | FSC | FSC | 125000 | 124932 | -1 | 1.41 | 124771 | 1.38 |
| Blue | F | SSC | 125000 | 122506 | -2 | 3.45 | 123358 | 3.27 |
| Blue | E | FITC | 17224 | 16681 | -4 | 2.46 | 943 | 7.95 |
| Blue | D | PE | 22462 | 21778 | -4 | 2.08 | 984 | 7.27 |
| Blue | B | PerCP-Cy5-5 | 63940 | 63233 | -2 | 2.68 | 1678 | 11.87 |
| Blue | A | PE-Cy7 | 72480 | 71377 | -2 | 3.85 | 944 | 22.55 |
| Red | C | APC | 63778 | 62654 | -2 | 2.31 | 3541 | 7.27 |
| Red | A | APC-Cy7 | 97254 | 97303 | 0 | 2.49 | 1928 | 7.18 |
| Violet | B | V450 | 10730 | 10397 | -4 | 3.48 | 643 | 7.20 |
| Violet | A | V500 | 42147 | 40171 | -5 | 3.06 | 2269 | 5.36 |

## Detector Settings (Continued)

| Laser | Detector | Parameter | Dim Bead Median Channel | Dim Bead % Robust CV | PMTV | Δ PMTV | Qr | Br | P/F |
|---|---|---|---|---|---|---|---|---|---|
| Blue | FSC | FSC | 20005 | 1.82 | 573 | -47 | N/A | N/A | Pass |
| Blue | F | SSC | 61217 | 2.14 | 503 | -24 | N/A | N/A | Pass |
| Blue | E | FITC | 102 | 31.65 | 511 | -28 | 0.0321 | 58 | Pass |
| Blue | D | PE | 203 | 21.78 | 505 | -27 | 0.2074 | 103 | Pass |
| Blue | B | PerCP-Cy5-5 | 206 | 34.59 | 592 | -22 | 0.0135 | 0 | Pass |
| Blue | A | PE-Cy7 | 71 | 86.09 | 646 | -27 | 0.0180 | 2 | Pass |
| Red | C | APC | 334 | 23.60 | 572 | -12 | 0.0267 | 23 | Pass |
| Red | A | APC-Cy7 | 122 | 32.81 | 555 | -10 | 0.0058 | 349 | Pass |
| Violet | B | V450 | 69 | 35.89 | 443 | -31 | 0.0635 | 1646 | Pass |
| Violet | A | V500 | 148 | 19.53 | 471 | -32 | 0.0176 | 35 | Pass |

## Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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| Serial Number: | V33896201821 | Software: | BD FACSDiva 6.1.3 |
| Input Device: | Carousel | Date: | 02/12/2016 11:13 AM |
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| Cytometer Configuration: | Euroflow 3-laser, 8-color (4-2-2) | P/F: | Pass |

## Laser Settings

| Laser | Power (mW) | Power Spec. (mW) | Current (mA) | Current Spec. (mA) | Delay (Trigger on FSC) | Delay (Trigger on Fluorescence) | Area Scaling Factor |
|---|---|---|---|---|---|---|---|
| Violet | 59.55 | 47.98 - 71.98 | N/A | N/A | -35.96 | -35.74 | 0.73 |
| Blue | 20.35 | 16.27 - 24.41 | 1.25 | 0.99 - 1.49 | 0.00 | 0.00 | 1.15 |
| Red | 15.07 | 11.44 - 17.16 | N/A | N/A | 36.44 | 36.52 | 1.00 |

Window Extension: 7.00
FSC Area Scaling Factor: 0.84

## Threshold

Threshold (FSC): 10101

## Fluidics

FACSFlow Pressure: 3.00 Sample Pressure: 2.80
Spec.: 2.90 - 3.10

Comments